

# Converting Colors

Hex(6570AE)

Have a look what the booklet for  
Hex(6570AE) contains.

<b>Hex(6570AE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(6570AE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6570AE
RGB	101, 112, 174
RGB Percent	40%, 44%, 68%
CMY	0.6039, 0.5608, 0.3176
CMYK	0.42, 0.36, 0.00, 0.32
HSL	231°, 31%, 54%
HSV	231°, 42%, 68%
XYZ	18.8010, 17.4110, 42.4141
YIQ	115.7790, -26.4580, 16.9500

# Conversions

## Conversions Part 2

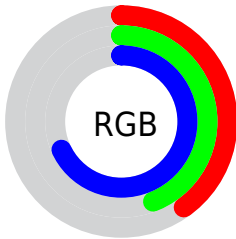
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	101, 111, 174
Decimal	6647982
CIE Lab	48.77, 12.13, -34.39
CIE LCh	49, 36.464, 289.433
Yxy	17.4110, 0.2391, 0.2214
Android (android.graphics.Color)	4284838062 (0xFF6570AE)
YUV	115.7790, 28.7030, -12.9612
Hunter-Lab	41.7265, 7.4064, -31.0585

# Details

The Hex color **6570AE** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **AEA365**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **9BA4E6**, and **304179** is the 20% darker color. If you saturate the color by 10%, you get **5461AE**, and if you desaturate by 10%, it is **767FAE**.

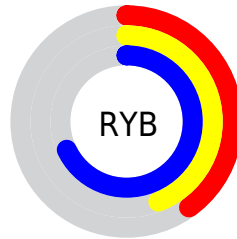
# Distribution



Red (40%)

Green (44%)

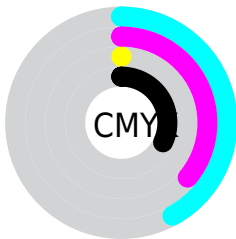
Blue (68%)



Red (40%)

Yellow (44%)

Blue (68%)

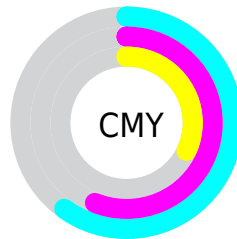


Cyan (42%)

Magenta (36%)

Yellow (0%)

Black (32%)



Cyan (60%)

Magenta (56%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6570AE changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 6570AE by changing the saturation by 10% instead.



■ 6570AE

■ 6570AE

FFFFFF

■ 4B5893

■ 9BA4E6

■ 304179

■ B6BFFF

■ 132B60

■ D3DAFF

■ 001748

■ F0F7FF

■ 000031

■ 00011B

■ 000000

■ 6570AE

■ 6570AE

■ 5461AE

■ 767FAE

4252AE

888EAE

3144AE

999CAE

1F35AE

ABABAE

0E26AE

BCBAAE

001AAE

CDC9AE

DFD7AE

F0E6AE

FFF5AE

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1E7AB0



6570AE



8F649C

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



6570AE



A56346



188368

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



6570AE



AEA365

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4F7F4A



6570AE



906E36

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



6570AE



AE5B61



737838



008487

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



6570AE



A25E8A



737838



30825D



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



6570AE



C5CAE3



65AEA2



606373



F2F2F2



737373



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



6570AE



7183E3



7D65AE



4E4F57



001796



000317



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



AE6570



E37183



96AE65



574E4F



960017

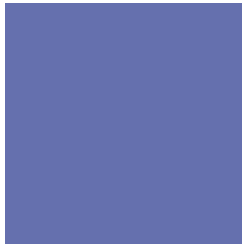


170003



# Previews

## White Background



This preview shows how the Hex color 6570AE looks on a white background.

## Color Contrast Check

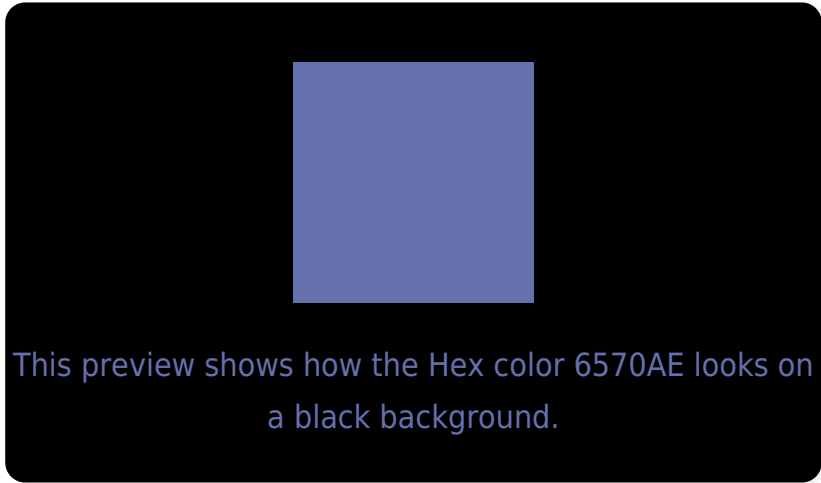
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

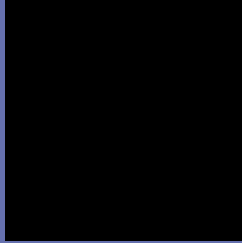
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6570AE Background



This preview shows how black text looks on a background with the Hex color 6570AE.

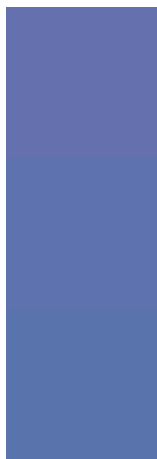


This preview shows how white text looks on a background with the Hex color 6570AE.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
6570AE

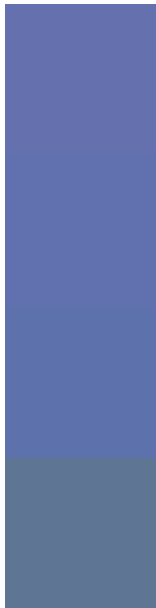
**Protanopia**  
5E72AF

**Deuteranopia**  
5973AD



**Tritanopia**  
5A7983

# Trichromacy



**Original Color**  
6570AE

**Protanomaly**  
6171AF

**Deuteranomaly**  
5D72AD

**Tritanomaly**  
5E7693

# Monochromacy



**Original Color**  
6570AE

**Achromatopsia**  
747474

**Achromatomaly**  
6F7389

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6570AE is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #6570AE looks like.

```
.text, #text, p{  
    color:#6570AE  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #6570AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6570AE
}
```

## Border

The CSS property to change the border of an element to Hex 6570AE is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6570AE }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#6570AE }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #6570AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6570AE; -webkit-box-shadow:4px 4px  
4px 4px #6570AE; box-shadow:4px 4px 4px  
4px #6570AE }
```

# Background

The CSS property to change the background color of an element to Hex 6570AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6570AE }
```

If only the background color should be changed can be used:

```
.background{ background-color:#6570AE }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor